

# Sanitary Engineering Degrees Awarded in 1955

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FOR the academic year 1954-55, there were 141 graduates from undergraduate sanitary engineering courses in the United States. In this same period, there were 145 graduate degrees conferred: 134 master's and 11 doctor's. The academic year, July 1954-June 1955, covers degrees granted in August 1954, February 1955, and June 1955.

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The institutions offering sanitary engineering training at various academic levels and the numbers of degrees conferred are shown in the table. Similar data for the 62-year period 1889-1950 are available in the literature (1).

## Undergraduate Degrees

All but 12 of the 44 colleges and universities reporting the availability of undergraduate sanitary engineering training had graduates. For the academic years 1952-53 and 1953-54, the numbers of graduates were 216 and 164, respectively. The average number of graduates per year for the previous 5-year period, 1950-54, was 225.

## Master's Degrees

Of the 134 master's degrees awarded in 1955, 100 were awarded to United States citizens. Twenty, or about 37 percent, of the colleges and universities reporting the availability of graduate sanitary engineering training at this academic level had no graduates. For the aca-

Engineering degrees awarded in 1955 to persons with sanitary engineering training, United States

Institution	Doc- tor's	Mas- ter's	Bach- elor's	Institution	Doc- tor's	Mas- ter's	Bach- elor's
Alabama Polytechnic Institute		0		Michigan College of Mining and Technology <sup>5</sup>		1	9
Alabama, University of		<sup>1</sup> 0	1	Michigan State College	0	2	2
Arkansas, University of		1		Michigan, University of	0	8	3
California Institute of Tech- nology	<sup>2</sup> 0	<sup>3</sup> 0		Minnesota, University of	0	4	0
California, University of	0	12	4	Mississippi State College		0	10
Case Institute of Technology	0	1	0	Missouri School of Mines and Metallurgy		<sup>7</sup> 0	4
Connecticut, University of		0		Missouri, University of	<sup>2</sup> 0	<sup>3</sup> 2	4
Cornell University	1	1	0	New York University	0	8	7
Florida, University of	<sup>(4)</sup>	0	4	Newark College of Engineering		<sup>7</sup> 3	5
Georgia Institute of Technology	0	1	4	North Carolina State College <sup>9</sup>		2	
Harvard University	5	24		North Carolina, University of		5	
Idaho, University of		<sup>3</sup> 1		North Dakota, University of			0
Illinois Institute of Technology		0		Northwestern University	0	0	
Illinois, University of <sup>5</sup>	0	2	6	Ohio State University <sup>5</sup>	0	0	0
Iowa State College <sup>6</sup>	0	0	3	Oklahoma Agricultural and Me- chanical College <sup>6</sup>	<sup>10</sup> 0	1	0
Iowa, State University of	0	1	4	Oklahoma, University of		8	0
Johns Hopkins University	2	6		Oregon State College <sup>6</sup>	0	1	5
Kansas, University of		<sup>1</sup> 0	2	Pennsylvania State University <sup>5</sup>	0	1	4
Kentucky, University of		<sup>7</sup> 0		Purdue University	1	4	2
Maine, University of		<sup>7</sup> 0	0	Rensselaer Polytechnic Institute	0	0	5
Manhattan College			24	Rutgers University <sup>5</sup>		1	0
Massachusetts Institute of Tech- nology <sup>8</sup>	2	12	4				

See footnotes at end of table.

**Engineering degrees awarded in 1955 to persons with sanitary engineering training, United States—Continued**

Institution	Doc- tor's	Mas- ter's	Bach- elor's	Institution	Doc- tor's	Mas- ter's	Bach- elor's
Santa Clara University			0	Utah Agricultural College			2
South Dakota State College		0	2	Utah, University of		<sup>3</sup> 1	
Southern California, University of		<sup>3</sup> 1	4	Virginia Polytechnic Institute	0	2	4
Tennessee, University of		0	2	Washington, State College of	0	0	0
Texas, Agricultural and Mechanical College of <sup>6</sup>	<sup>2 11</sup> 0	<sup>3 12</sup> 2	1	Washington, University of <sup>6</sup>	0	4	0
Texas, University of	<sup>2</sup> 0	<sup>13</sup> 6	2	West Virginia University		<sup>7</sup> 0	1
Tulane University		<sup>3</sup> 0	2	Wisconsin, University of	0	<sup>3</sup> 5	5
				Total	11	134	141

Leaders (-----) indicate no courses offered at this level.

<sup>1</sup> Master's in engineering with major in sanitary engineering. <sup>2</sup> Doctor's in civil engineering with major in sanitary engineering. <sup>3</sup> Master's in civil engineering with major in sanitary engineering. <sup>4</sup> Doctor's in sanitary engineering starting September 1955. <sup>5</sup> Has an undergraduate sanitary engineering curriculum. <sup>6</sup> Sanitary engineering courses are available as electives rather than as an option to the civil engineering program. <sup>7</sup> Master's in civil engineering with sanitary engineering electives or minor. <sup>8</sup> One "sanitary engineer" degree awarded (same as science degree except creative research not required). <sup>9</sup> One professional degree awarded; no thesis required. <sup>10</sup> Doctor's in engineering with specialization in sanitary engineering. <sup>11</sup> Doctor's in municipal and sanitary engineering. <sup>12</sup> Master's in municipal and sanitary engineering. <sup>13</sup> Also includes master's in civil engineering with major in sanitary engineering and master's in mechanical with major in sanitary engineering.

demical years 1952-53 and 1953-54, the numbers of graduates receiving master's degrees were 102 (20 by foreign nationals) and 120 (25 by foreign nationals) respectively. The average number of master's degrees conferred per year for the previous 5-year period, 1950-54, was 125.

**Doctor's Degrees**

Nine of the 11 doctor's degrees conferred during this period by four institutions were to United States citizens. Twenty-four other institutions offering sanitary engineering training at this academic level had no successful candidates this year. For the academic years 1952-53 and 1953-54, the numbers of graduates receiving

doctor's degrees were 5 (3 by foreign nationals) and 9, respectively. In the previous 5-year period, 1950-54, the average number of doctor's degrees conferred per year was 6.8.

**REFERENCE**

(1) Miller, Arthur P.: Graduates from undergraduate sanitary engineering courses in the United States. Pub. Health Rep. 66: 369-374, Mar. 23, 1951.

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NOTE: Multilithed copies of this continuing report on sanitary engineering degrees, covering the years 1952-54, are available from the Division of Sanitary Engineering Services, Public Health Service.

